

Claims:

1. An aluminum alloy comprising, in percentages by weight:

5 more than 0.6 - 1.0% silicon, 0.9 - 1.2% iron, wherein the ratio of iron to silicon is in the range of 1.2 - 1.8:1, and 0 - 0.4% copper, 0 - 1.5% manganese, 0 - 5.0% magnesium, 0 - 0.5% zinc, 0 - 3.5% chromium, 0 - 0.1% titanium and the balance aluminum and incidental impurities.

10 2. An aluminum alloy according to claim 1 wherein the ratio of iron to silicon is in the range 1.3 - 1.6:1.

3. An aluminum alloy according to claim 2 wherein the ratio of iron to silicon is in the range 1.4 - 1.5:1.

4. An aluminum alloy according to claim 1 wherein silicon is present in the range of 0.7 - 1.0%.

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5. An aluminum alloy suitable for the production of can bodies comprising, in percentages by weight:

20 more than 0.6 - 1.0% silicon, 0.9 - 1.2% iron, wherein the ratio of iron to silicon is in the range 1.2 - 1.8:1, 0 - 0.4% copper, 0.7 - 1.5% manganese, 0.8 - 1.5% magnesium, 0 - 0.50% zinc and the balance aluminum and incidental impurities.

25 6. An aluminum alloy that is a variant of AA 3105 containing more than 0.6 - 2.0% silicon, 0.9 - 2.4% iron, wherein the ratio of the amount of iron to the amount of silicon is in the range of 1.2 - 1.8:1, less than 0.3% copper, 0.3 - 0.8% manganese, 0.2 - 0.8% magnesium, less than 0.5% zinc and the balance aluminum and incidental impurities.

7. An aluminum alloy that is a variant of AA 5052 containing more than 0.6 - 2.0% silicon, 0.9 - 2.4% iron, wherein the ratio of the amount of iron to the amount of silicon is in the range of 1.2 - 1.8:1, 0 - 0.1% copper, 0 - 0.1% manganese, 2.2 - 2.8% magnesium, 0 - 0.1% zinc, 0.15 - 0.35% chromium and the balance aluminum and incidental impurities.

8. An aluminum alloy that is a variant of AA 5010 containing more than 0.6 - 2.0% silicon, 0.9 - 2.4% iron, wherein the ratio of the amount of iron to the amount of silicon is in the range of 1.2 - 1.8:1, 0 - 0.25% copper, 0.1 - 0.3% manganese, 0.2 - 0.6% magnesium, 0 - 0.5% zinc and the balance aluminum and incidental impurities.

9. An aluminum alloy suitable for the production of can ends comprising, in percentages by weight:

more than 0.6 - 2.0% silicon, 0.9 - 2.4% iron, wherein the ratio of iron to silicon is in the range of 1.2 - 1.8:1, 0 - 0.4% copper, 0.2 - 0.5% manganese, 4 - 5% magnesium, 0 - 0.1% chromium, 0 - 0.1% titanium, 0 - 0.5% zinc and the balance aluminum and incidental impurities.

10. An aluminum alloy according to claim 9 wherein the ratio of iron to silicon is in the range 1.3 - 1.6:1.

11. An aluminum alloy according to claim 10 wherein the ratio of iron to silicon is in the range 1.4 - 1.5:1.

12. An aluminum alloy according to claim 9 wherein silicon is present in the range of 0.7 - 1.5% and iron is present in the range of 0.9 - 2.0%.

13. An aluminum alloy according to claim 9 wherein silicon is present in the range of 0.7 - 1.5% and iron is present in the range of 0.9 - 1.5%.